

Substitute for Form PTO-1390		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER 003277-057
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>			U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/553179</b>
INTERNATIONAL APPLICATION NO. PCT/FI2004/050041	INTERNATIONAL FILING DATE 19 April 2004	PRIORITY DATE CLAIMED 17 April 2003	
TITLE OF INVENTION  <b>POROUS SHEET AND SUBSTRATE HAVING POROUS SHEET(S) FOR TREATING EXHAUST GASES OF COMBUSTION ENGINES</b>			
APPLICANT(S) FOR DO/EO/US <b>Aulis VAKKILAINEN, Reijo LYLYKANGAS, Ritva HEIKKINEN, Teuvo MAUNULA, Matti HARKONEN, and Ari LIEVONEN</b>			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission to items concerning a filing under 35 U.S.C. 371.			
2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.			
3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (22) indicated below.			
4. <input checked="" type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).			
5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))			
a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).			
b. <input type="checkbox"/> has been communicated by the International Bureau.			
c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).			
6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))			
a. <input checked="" type="checkbox"/> is attached hereto.			
b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).			
7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))			
a. <input checked="" type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).			
b. <input checked="" type="checkbox"/> have been communicated by the International Bureau.			
c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.			
d. <input type="checkbox"/> have not been made and will not be made.			
8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).			
9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).			
10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).			
Items 11 to 21 below concern document(s) or information included:			
11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.			
12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.			
13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.			
14. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.			
15. <input checked="" type="checkbox"/> A substitute specification.			
16. <input type="checkbox"/> A change of power of attorney and/or address letter.			
17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825.			
18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).			
19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).			
20. <input checked="" type="checkbox"/> Other items or information: <u>Form PCT/IB/304, Form PCT/IB/308 (2), Written Opinion dated 08-11-2004, Response to Written Opinion with amended claims dated 02-15-2005, Second Written Opinion with amended claims dated 04-22-2005, Response to Second Written Opinion dated 06-30-2005, International Preliminary Report on Patentability dated July 26, 2005, Finnish Office Action dated January 5, 2004; and Comparison Document.</u>			

U.S. APPLICATION NO. (If known, see 37 CFR 1.51) <div style="font-size: 2em; font-weight: bold; margin-left: 100px;">10/553179</div>	INTERNATIONAL APPLICATION NO. PCT/FI2004/050041	ATTORNEY'S DOCKET NUMBER 003277-057
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21. ☒ Applicant(s) requests that the published application include the following assignment information: ECOCAT OY, Vihtiavuori, Finland

**CALCULATIONS PTO USE ONLY**

22. ☒ The following fees are submitted:

Basic Filing Fee (1631)

\$ 300.00

Surcharge of \$130.00 (1617) for furnishing the oath or declaration later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492(e)).

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$
Total Claims	28	-20 = 8	X \$50.00 (1615)	\$ 400.00
Independent Claims	2	-3 = 0	X \$200.00 (1614)	\$ 0.00

MULTIPLE DEPENDENT CLAIM(S) (if applicable)	+ \$360.00 (1616)	
Examination Fee	+ \$200.00 (1633)	\$ 200.00
Search Fee	+ \$500.00 (1632)	\$ 500.00

App. Size Fee (add \$250.00 for each add'l 50 sheets exceeding 100 sheets)

TOTAL OF ABOVE CALCULATIONS = \$ 1,400.00

☒ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. + \$ 700.00

SUBTOTAL = \$ 700.00

Processing fee of \$130.00 (1618) for furnishing the English translation later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492(f)). \$ 0.00

TOTAL NATIONAL FEE = \$ 700.00

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 (8021) per property +

TOTAL FEES ENCLOSED = \$ 700.00

Amount to be refunded:

a. ☒ A check in the amount of \$ 700.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. 02-4800 in the amount of \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-4800. A duplicate copy of this sheet is enclosed.

d. ☐ Charge \_\_\_\_\_ to credit card. Form PTO-2038 is attached.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

BUCHANAN INGERSOLL PC  
P.O. Box 1404  
Alexandria, Virginia 22313-1404  
(703) 836-6620

SIGNATURE

NAME

Jeffrey G. Killian

50,891

October 13, 2005

REGISTRATION NO.

DATE